



 **COMMERCIAL**<sup>®</sup>

Specify with Confidence.

# Commercial Products Catalogue

- Roofing
- Building Envelope
- Insulation
- Waterproofing

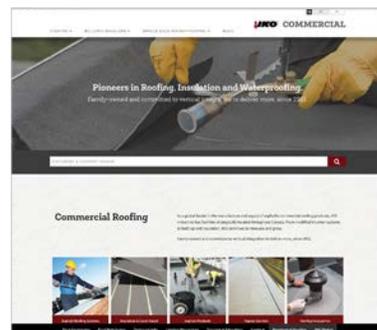


# Introduction

For the most current information on IKO's full line of commercial and industrial roofing, waterproofing and building envelope products and accessories, please visit us online at: **IKO.COM/COMM.**

## View our online IKO Technical Specifications Manual

Similar to the printed version, information on IKO roofing membranes is provided by chapter. Chapter categories cover such topics as pre-job general requirements, decks, insulations, separation panels, SBS application, modified bitumen flashing details, green roofs, roof repair, building envelope and more. In each chapter, individual pages are provided that can be downloaded in PDFs.



## View the Document Library

If you're looking for draft specifications, installation instructions, safety data sheets (SDS), product bulletins or product data sheets, view the online Document Library. The PDFs are easy to print as well as view on screen.

## View the Learning and Idea Centre

Need a product sample? Complete the form you'll find in the Learning and Idea Centre to request your product sample today.



For additional information on IKO limited warranties, distribution, product availability, job references and much more, please call IKO Technical Services at: **1-855-IKO-ROOF (1-855-456-7663).**

# Specify with Confidence.

# The IKO Story

## IKO is a global leader

in the manufacture and supply of asphaltic and bituminous waterproofing products, with over 30 strategically located production facilities throughout North America and Europe. And we continue to grow.

IKO doesn't just manufacture innovative products. We're also innovative in how our products are manufactured. Unlike competitive companies that rely on outside suppliers and producers, IKO maintains a high level of vertical integration. All the key components used in IKO roofing products are manufactured in-house, under our own stringent quality controls. This provides us with superior quality control over the finished products.



## Nothing Tops IKO Quality

Almost all of the commercial roofing and building envelope products offered by IKO are manufactured by us, in our state-of-the-art facilities. That allows us to maintain the highest quality control standards, and our people are committed to maintaining this calibre of excellence. That means you can rely on IKO for all your commercial roofing application needs – from the deck up.

## We Stand Behind Our Products

IKO offers a wide range of limited warranty programs to suit your individual needs, including Material Only, Limited Labour & Material, and our Diamond Shield Limited Warranty. Ask your IKO representative which warranty program is right for you!

## Roofing Know-How and Technical Support

IKO people are dedicated when it comes to providing technical support. We are more than happy to provide you with information during the design and specification phases, bringing a wealth of commercial roofing know-how to help you find the best solutions.

- Product application training.
- Online access.
- Industry bulletins.
- Product overviews.
- Toll-Free support hotline.
- Specification Manuals.
- Regional technical managers.

## Specify With Confidence

IKO has everything you need for your roofing system and is the preferred choice of roofing professionals throughout the world, specified by architects, engineers, roof consultants and contractors. When your next commercial project calls for products that conform to the latest industry standards and the highest customer expectations, you can specify IKO products with the confidence they'll perform.

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# IKO Torchflex™ SBS & IKO Modiflex™ SBS

BASE & CAP SHEETS



## Torchflex and Modiflex

are high-performance modified bitumen roofing and waterproofing systems that are quickly installed, easy to maintain, and highly cost-efficient.

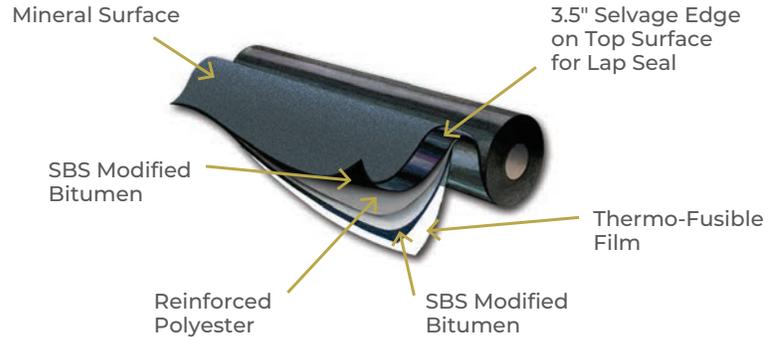
## Tough, Long-Lasting Construction

Torchflex and Modiflex are made from a strong mat (fiberglass, reinforced polyester or composite) which is coated with SBS modified bitumen. Styrene-butadiene-styrene (SBS) is a rubber-based chemical that endows the asphalt with some amazing qualities: superior elasticity, excellent moisture resistance and exceptional cold weather flexibility. The end result is a long-lasting, durable membrane that can be applied to a wide variety of surfaces on roofs of almost any shape or design.

## Simple to Apply

Torchflex is applied by heat-welding the membrane, fusing it to a substrate and using the same process to seal the seams. Modiflex is applied by hot-mopping the membrane with asphalt or

## TORCHFLEX TP-CAP



cold-applied with an adhesive. Specialty self-adhered products are available for heat-sensitive situations. Torchflex and Modiflex are both compatible with existing BUR products.

## Easy Maintenance

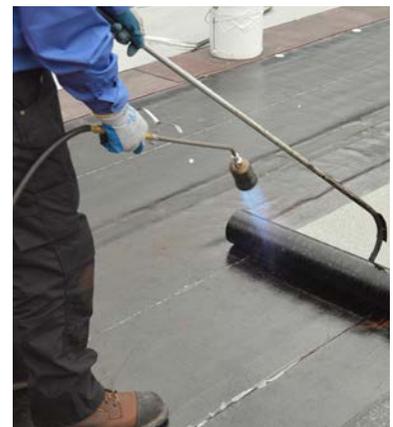
Regular inspection allows damaged membrane areas to be readily identified, and repairs can typically be performed with a hand torch and round-nosed trowel.

## Protection From the Elements

Used as recommended, Torchflex and Modiflex systems provide superior protection against water leakage and extreme weather conditions. Torchflex and Modiflex cap sheets are offered with ceramic-clad mineral granules embedded into the top surface for greater resistance to damaging ultraviolet rays.

## Quality Assurance

Torchflex and Modiflex are both manufactured under stringent quality control test requirements, involving continuous testing and product research. Before the finished product leaves the plant, it will have displayed high elasticity and tensile strength, optimal granule adhesion, high thermal shock resistance, low temperature flexibility, high fatigue endurance, exceptional resistance to aging and weathering, and excellent puncture resistance.



# IKO Torchflex™ SBS & IKO Modiflex™ SBS

BASE & CAP SHEETS



## The Torchflex and Modiflex

family of superior modified bitumen membranes is manufactured in a wide array of cap sheets and base sheets.

Cap sheets, depending on the product type and construction, are available in various colours to suit the specifier's requirements – colour availability is shown in the summary table on page 12. The standard grade of our tough cap sheets offers proven performance, reinforced with a nominal 180 grade of polyester. Where additional strength may be specified, look to the 250 grade products for a heavier polyester mat. In response to customers' demands for the ultimate in dimensional stability, IKO innovated a hybrid composite mat, incorporating the best properties of both polyester and glass fiber reinforcement. These membranes are noted as HD.

Should external roof fire resistance be required or specified, select cap sheets are available in the PrevENT™ line, with a specially



## MODIFLEX MP-CAP



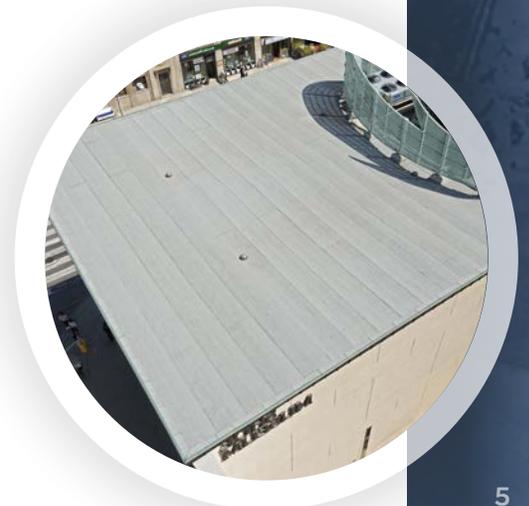
formulated coating matrix, which provides enhanced fire resistance. See the PrevENT section of this catalogue for more details on this product line, which IKO developed at their European manufacturing facilities before introduction to North America.

In the Torchflex/Modiflex product summary table on page 12, you'll also see some cap sheets noted as ArmourCool™. These bright white cap sheets were developed to satisfy the growing market need for energy-reflecting roof surfaces. The ArmourCool option is offered in combination with PrevENT fire resistance and/or HD composite high-strength reinforcements.

The following pages provide greater detail on these excellent cap sheet options.

**Base sheets** serve that critical transition function between the roof's substrate or insulation layers, and the finished cap sheet. IKO allows for every method of roof specification assembly with its huge range of base sheets –

some have upper and lower film surfaces for heat-welding, others have upper and lower sanded surfaces for hot asphalt or adhesive installation, while adhesive surface sheets for self-adhered applications are also available. Various combinations of upper and lower surfaces can accommodate almost every combination of roof installation methods. The entire family of base sheets is made with IKO's own high-quality factory-blended polymer modified bitumen, and reinforcement options include tough nonwoven fiberglass, strong polyester or the composite HD hybrid for the best of both materials.



# IKO PrevEnt™

## CAP SHEETS



### In response to the demand

for greater roof membrane fire resistance performance, particularly in Europe, IKO responded by leveraging its vast global technical knowledge to innovate the PrevEnt product. Read on to learn the details and benefits of this amazing graphite technology.

### IKO PrevEnt

For decades, we have been manufacturing SBS membranes for the commercial roofing market. Our superior quality, innovative design, stringent manufacturing control and attention to detail have earned us a trusted place within the roofing industry. We continue to maintain this leadership position by using graphite technology. Contact your IKO Commercial technical representative for details.

### Integrating Premium Performance and Fire Resistance

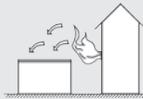
At IKO, we have enhanced the performance of our premium line of SBS cap sheets to include the highest fire resistance rating available in a roof membrane, Class A rated by UL/ULC and FM.

Often, building codes require a class rating for surface-burning characteristics: A, B or C. A Class A rating is the highest rating available and the most resistant to flame propagation.



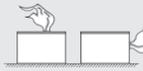
#### Flame Spread

(UL790, CAN/ULC S107M, FM/ASTM E108): PrevEnt inhibits the spread or travel of flame on the roof.



#### Burning Brands

(UL790, CAN/ULC S107M, FM/ASTM E108): PrevEnt stops burning embers from penetrating the roof surface and igniting the building.



#### Intermittent Flame

(UL790, CAN/ULC S107M, FM/ASTM E108): PrevEnt resists gusts of flame from spreading or growing on the roof.



#### Code Approvals

- UL790 Class A on noncombustible and combustible decks up to a 2-1/2:12 slope.
- CAN/ULC S107M Class A on Non-Combustible and Combustible decks up to a 2-1/2:12 slope.
- FM/ASTM E108 Class A on Non-Combustible decks up to a 2:12 slope.

### Enhanced Fire Protection and Same Physical Properties

IKO PrevEnt offers:

- Same application techniques as regular Modiflex/Torchflex.
- Same size, colours and thickness as Modiflex/Torchflex.
- Same great limited warranty coverage as Modiflex/Torchflex.
- Same long-lasting performance as Modiflex/Torchflex.

### How Our Graphite Technology Works

Expandable graphite is applied to the upper face of the reinforcement mat during manufacturing of the cap sheet membrane. This graphite is 100% organic and will not dissolve in water. When exposed to high temperatures, it acts as a fire retardant by expanding rapidly. By doing so, it cuts off the supply of oxygen to the flame and prevents liquefied asphalt from adding fuel to the fire. It also restricts fire from developing,

making it safer than other similar products. The graphite is not visible when the sheet is installed on the roof; to the eye, a regular cap sheet that looks identical to a PrevEnt cap sheet.

### A Range of Cap Sheets

Check the product summary table on page 12 to view the specifications on all the various products available in the PrevEnt line-up. Between Modiflex and Torchflex, and different reinforcement options, IKO has the fire-resistant product to suit your roofing needs.



The swelling effect of graphite after exposure to fire can be seen in this comparison. Note the volume increase in the post-fired graphite in the beaker on the right.

Note: Image for representation purpose only.



# IKO Fast-N-Weld™

## BASE SHEETS



### Yet More IKO Innovation

IKO has developed the Fast-N-Weld roof membrane system for application on various roof decks. The key to this 2-ply SBS modified bituminous roof membrane system is the mechanically fastened base sheet, with its self-adhering side laps.

This innovative "dual side lap" approach offers many features and benefits, which are outlined below.

IKO originally launched the Fast-N-Stick™ 180-Base Sheet on standard grade polyester reinforcement. In response to customer demand for a higher strength reinforcement, Fast-N-Stick HD-Base Sheet was developed. Fast-N-Stick HD-Base is made from a tough composite reinforcement of nonwoven polyester strengthened with a glass fiber scrim in both machine and cross directions.

### Why Specify Fast-N-Weld?

- Because of labour-saving installation, since the base sheet is mechanically fastened and not fully adhered with asphalt, adhesives or heat-welding.
- Mechanical fixation of the membrane with specialized barbed plates and screws in the seam qualifies for a Factory Mutual (FM) Windstorm Classification of 1-90. Consult the IKO Technical Specification Manual for details.



- Fast-N-Weld System qualifies for Underwriters Laboratories (UL/ULC) approval without a coverboard. Select roof membrane systems that incorporate the IKO Fast-N-Stick HD-Base Sheet have been tested in accordance with CSA A123.21.
- Dead load on the structure is less than with a conventional built-up roof membrane or a loose-laid ballasted 1-ply membrane.
- Fire hazards on fire-sensitive substrates associated with the heat-welding process are reduced with the use of the Fast-N-Stick 180-Base Sheet or Fast-N-Stick HD-Base Sheet.
- Either Fast-N-Stick base sheet can be reverse rolled and installed sand-side up, allowing hot asphalt or cold adhesive application of the cap sheet.
- Although the base sheet side lap is self-adhering, final secure lap adhesion occurs after additional heat from cap sheet installation. Consequently, as with 2-ply modified bitumen systems generally, the roof should not be expected to be watertight prior to cap sheet installation.



Mechanically Attached ROOFING SYSTEMS

# IKO ArmourCool™

## CAP SHEETS



### It's Cool to be Cool

With the construction industry focusing more on environmentally friendly products, IKO has always been proud to do our part. However, we strive to ensure that the integrity of the roofing system is not compromised in pursuit of this goal.

### IKO Innovates Again

For many years, IKO's SBS cap sheets have been manufactured in the colours demanded by our customers - traditional greys, blacks and browns. Once again, IKO provides the answer to an environmental "heat" challenge with our ArmourCool Granular line of SBS modified bitumen cap sheets, with Armour White. This product delivers two key benefits: the same superior weather protection on your roof, plus the dramatic reduction of the roof's amount of solar radiation, which can contribute to the urban heat island effect. The Canada Green Building Council developed LEED® roof reflectivity criteria that it feels will help reduce summer temperatures in urban areas.



### Perfect for Big City Roofs

IKO has integrated the proven long-term performance of our SBS cap sheet with a specially designed reflective mineral granule on the top surface, which reflects solar radiation to a very high degree. In fact, ArmourCool Granular exceeds the stringent reflectivity requirements established by LEED SS7.2. For building owners, this product will deliver the kind of performance you need for your building while at the same time potentially reducing the urban heat island effect.

And good news for professional roofing contractors: ArmourCool Granular is installed using the same methods as any standard cap sheet and does not require a coating to meet the LEED SS7.2 requirements.

The ArmourCool lineup is offered in heat-welded (TP) HD (composite reinforcement) cap sheets. As well, a Class A fire-resistant PreVENT™ is available. Some products may be available by special order only. See the product table on page 12 for details and specifications.



# IKO Carrara™

## CAP SHEETS



### Double Duty

Previously, we described the IKO ArmourCool™ product – designed to offer the advantage of a durable roofing option, which also reflects solar heat radiation when compared to standard modified bitumen cap sheets. Your roof is multi-tasking – keeping the building waterproof while also helping urban areas potentially reduce ambient temperatures. Introducing Carrara, an ArmourCool cap sheet, which goes one step further. Carrara's upper surface is enhanced with microparticles of titanium dioxide. Studies have shown this material can "clean" pollutants from the air, further improving urban environments.

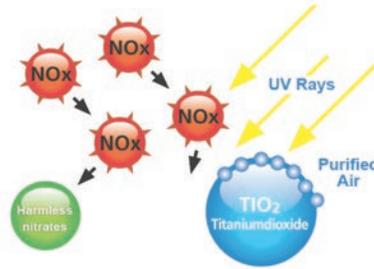
### The Latest in Roofing Science

Remember, IKO is a global leader in roofing innovation and manufacture. So, it should come as no surprise that we develop



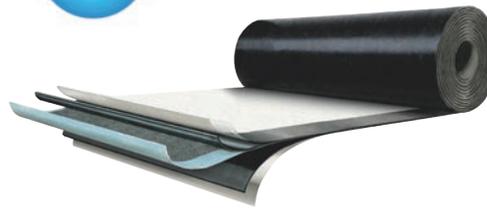
### CARRARA CAP

IKO's new technology utilizes a Titanium Dioxide (TiO<sub>2</sub>) compound which is coated onto the surface of Carrara. This coating, in combination with sunlight, has been proven to act as a catalyst to convert NO<sub>x</sub> into harmless nitrates.



NO<sub>x</sub> also contributes to the formation of ground level ozone, which is associated with both adverse health effects and damage to vegetation.

In humans, NO<sub>x</sub> primarily can affect respiration and increase the risk for other respiratory issues and susceptibility to allergens. High levels of NO<sub>x</sub> is a cause of leaf damage and reduced growth in vegetation.



high-quality roofing materials that take advantage of all available construction technologies. Such is the case with Carrara. We've added an application of titanium dioxide powder to the ArmourWhite granule surface. These TiO<sub>2</sub> nanoparticles absorb the ultraviolet component of sunlight, acting as catalysts to form reactive molecules in the presence of atmospheric moisture. It's these hydroxyl molecules (radicals) that can oxidize and destroy most pollutants, like nitrogen oxides and volatile organic compounds (VOCs). By "cleaning" the air in this way, a city's smog and toxic air can be reduced on hot, sunny days. Some studies suggest that a single square metre of TiO<sub>2</sub>-treated roof surface can clean about two hundred cubic metres of air per day.

### Proven Performance

Here again, there is no difference in product installation – Carrara is a heat-welded cap sheet, so it can be easily installed by a trained and experienced IKO contractor. You receive all the fundamental proven performance benefits common to any of IKO's SBS cap sheets. If a heavy-duty, extra-strong reinforcement is specified for your roofing project, then Carrara is the perfect solution for you.



# IKO ArmourStick™ HD

BASE & CAP SHEETS



**IKO's ArmourStick HD** flame-free self-adhering roofing system offers an innovative option explicitly tailored to the requirements of projects that demand a restricted flame environment.

### Easy installation - no flame, no mops

IKO presents a high-performance modified bitumen membrane option that uses no flames, no hot asphalt, and no messy adhesives. Simple to install – proper application simply requires a hot air welder to seal the outer 2 inches of the lap for a trusted, no-leak seal. The efficient, self-adhering ArmourStick system is perfect for roofs which may be difficult to access with cumbersome roof equipment, or roofs on buildings where occupants may be sensitive to traditional roofing processes.



### Built IKO Strong

Both the ArmourStick HD-Base and ArmourStick HD-Cap are constructed on a sturdy nonwoven reinforced composite mat strengthened with select glass fiber strands, coated with SBS polymers and premium asphalt.

Tough ceramic colour coated granules protect the surface of the cap sheet.

The self-adhering ArmourStick HD-Cap Sheet has a removable silicone-treated release film covering the self-adhering underside. An innovative film strip on the outer edge of the cap sheet's underside allows contractors to easily access the side lap for heat welding.

The self-adhering ArmourStick HD-Base Sheet has a split release film on the top surface. Once removed, it reveals a primer-less surface, ideal for optimal adhesion of the overlying ArmourStick HD-Cap.

The ideal solution for your next flame-free membrane project, IKO's ArmourStick HD system is compatible with all IKO

commercial roofing accessory products, eligible for a broad range of limited warranty coverage<sup>1</sup>, and compliant with relevant product standards and wind/fire tests<sup>2</sup>. And it's available in IKO's complete range of standard cap sheet colours.

<sup>1</sup>See current IKO limited warranties for details.  
<sup>2</sup>See Product Data Sheet for further information on standards and compliances.



# IKO M.V.P.™ & IKO M.V.P. Sand

MODIFIED VAPOUR PROTECTOR

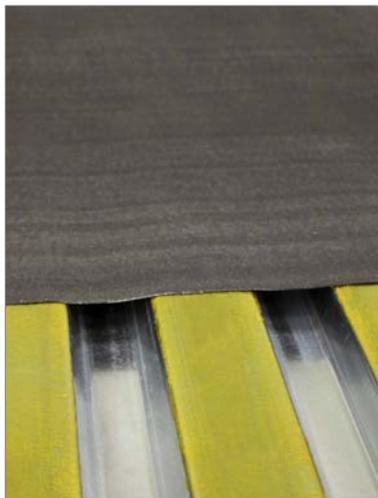


## Vapour Protection

IKO M.V.P. (modified vapour protector) is a self-adhering membrane used over various types of roof decks, such as steel, concrete and wood. This product is designed as a vapour barrier prior to the installation of the roof insulation. IKO M.V.P. is internally reinforced with glass fibers and is composed of modified rubber asphalt. IKO MVP is available in either a cross laminated polyethylene film top (IKO M.V.P.) or sand top surface (IKO M.V.P. Sand) to suit a variety of insulation application methods.

## Features and Benefits

- Works well with metal deck flute spacing.
- May be used with a variety of IKO systems.
- High puncture resistance — durable.
- Very flexible — conforms to irregularities well.



Also available with sand top surface.



- Can be installed in cold temperatures.
- Exceptionally low water vapour permeance.
- Easy and efficient installation due to removable release film on the bottom of the self-adhesive membrane.
- Can adhere board products to M.V.P. with approved adhesives (mechanical fixation of the board is not required).



Vapour Barrier

# SBS Membranes

## CAP SHEETS

PRODUCT NAME	REINFORCEMENT	TOP SURFACE	BOTTOM SURFACE	SIZE m (ft)	HEAT-WELDED	MOPPED/COLD-APPLIED	QUANTITY PER PALLET	COLOURS
<b>Cap Sheets – Heat-Welded</b>								
Torchflex TP-250-Cap	Polyester	Granules	Film	1 x 8 (3.28 x 26.2)	X	–	32	Black, Brown, Charcoal Grey, Frostone Grey
Torchflex TP-250-Cap (5.0)	Polyester	Granules	Film	1 x 8 (3.28 x 26.2)	X	–	24	Frostone Grey
Torchflex TP-HD Cap	Heavy Duty Composite	Granules	Film	1 x 8 (3.28 x 26.2)	X	–	32	Black, Brown, Charcoal Grey, Frostone Grey
Torchflex PrevENT™ TP-250*	Polyester	Granules	Film	1 x 8 (3.28 x 26.2)	X	–	32	Charcoal Grey, Frostone Grey
Torchflex PrevENT TP-HD-Cap*	Heavy Duty Composite	Granules	Film	1 x 8 (3.28 x 26.2)	X	–	32	Black, Charcoal Grey, Frostone Grey
ArmourCool™ Granular TP-HD Cap	Heavy Duty Composite	Granules	Film	1 x 8 (3.28 x 26.2)	X	–	24	ArmourCool White
ArmourCool Granular PrevENT TP-HD-Cap*	Heavy Duty Composite	Granules	Film	1 x 8 (3.28 x 26.2)	X	–	24	ArmourCool White
Carrara™ ArmourCool HD	Heavy Duty Composite	Granules	Film	1 x 8 (3.28 x 26.2)	X	–	32	ArmourCool White
ArmourBridge™ 45	Polyester	Granules	Film	1 x 8 (3.28 x 26.2)	X	–	32	Frostone Grey
<b>Cap Sheets – Mop/Cold-Applied</b>								
Modiflex™ MP-180-Cap	Polyester	Granules	Sand	1 x 10 (3.28 x 32.8)	–	X	30	Charcoal Grey
Modiflex MP-250-Cap	Polyester	Granules	Sand	1 x 10 (3.28 x 32.8)	–	X	30	Frostone Grey
Modiflex MP-HD-Cap	Heavy Duty Composite	Granules	Sand	1 x 10 (3.28 x 32.8)	–	X	30	Charcoal Grey
Modiflex PrevENT MP-250*	Polyester	Granules	Sand	1 x 10 (3.28 x 32.8)	–	X	30	Brown, Charcoal Grey, Frostone Grey
<b>Cap Sheets – Self-Adhered</b>								
ArmourStick™ HD-Cap	Heavy Duty Composite	Granules	Release Sheet	1 x 8 (3.28 x 26.2)	–	X	30	Black, Brown, Charcoal Grey, Frostone Grey

\* Enhanced fire resistance rating.

# SBS Membranes

## BASE SHEETS

PRODUCT NAME	REINFORCEMENT	TOP SURFACE	BOTTOM SURFACE	SIZE m (ft)	HEAT-WELDED	MOPPED/COLD-APPLIED	QUANTITY PER PALLET
<b>Base Sheets – Heat-Welded</b>							
Torchflex™ TF-95-SF-Base	Fiberglass	Sand	Film	1 x 15 (3.28 x 49.2)	X	-	32
Torchflex TF-95-SF-Base (3.0 mm)	Fiberglass	Sand	Film	1 x 10 (3.28 x 32.8)	X	-	32
Torchflex TF-95-FF-Base	Fiberglass	Film	Film	1 x 10 (3.28 x 32.8)	X	-	32
Torchflex TP-180-SF-Base (3.0 mm)	Polyester	Sand	Film	1 x 10 (3.28 x 32.8)	X	-	32
Torchflex TP-180-SF-Base (3.5 mm)*	Polyester	Sand	Film	1 x 10 (3.28 x 32.8)	X	-	32
Torchflex TP-180-FF-Base	Polyester	Film	Film	1 x 10 (3.28 x 32.8)	X	-	32
Torchflex TP-HD-FF-Base	Heavy Duty Composite	Film	Film	1 x 10 (3.28 x 32.8)	X	-	32
<b>Base Sheets – Mop/Cold-Applied</b>							
Modiflex™ MF-95-FS-Base	Fiberglass	Film	Sand	1 x 15 (3.28 x 49.2)	-	X	32
Modiflex MF-95-SS-Base	Fiberglass	Sand	Sand	1 x 15 (3.28 x 49.2)	-	X	32
Modiflex MP-180-FS-Base	Polyester	Film	Sand	1 x 15 (3.28 x 49.2)	-	X	30
Modiflex MP-180-FS-Base (3.0 mm)	Polyester	Film	Sand	1 x 10 (3.28 x 32.8)	-	X	32
Modiflex MP-180-SS-Base	Polyester	Sand	Sand	1 x 15 (3.28 x 49.2)	-	X	30
Modiflex MP-180-SS-Base (3.0 mm)	Polyester	Sand	Sand	1 x 10 (3.28 x 32.8)	-	X	32
Modiflex MP-HD-FS-Base	Heavy Duty Composite	Film	Sand	1 x 15 (3.28 x 49.2)	-	X	30
Modiflex MP-HD-SS-Base	Heavy Duty Composite	Sand	Sand	1 x 15 (3.28 x 49.2)	-	X	24
<b>Base Sheets – Self-Adhered</b>							
Fast-N-Stick™ 180 Base	Polyester	Film	Sand	1 x 15 (3.28 x 49.2)	-	Mechanically Fastened	30
Fast-N-Stick HD Base	Heavy Duty Composite	Film	Sand	1 x 15 (3.28 x 49.2)	-	Mechanically Fastened	24
Armourbond™ 180 Base	Polyester	Film	Release Sheet	1 x 10 (3.28 x 32.8)	-	Self-Adhered	35
Armourbond Flash	Polyester	Film	Release Sheet	1 x 15 (3.28 x 49.2)	-	Self-Adhered	30
Armourbond Flash HD	Heavy Duty Composite	Film	Release Sheet	1 x 15 (3.28 x 49.2)	-	Self-Adhered	24
Armourbond Flash Sand	Polyester	Sand	Release Sheet	1 x 15 (3.28 x 49.2)	-	Self-Adhered	24
Armourbond Flash Sand HD	Heavy Duty Composite	Sand	Release Sheet	1 x 15 (3.28 x 49.2)	-	Self-Adhered	24
ArmourStick™ HD-Base	Heavy Duty Composite	Release Sheet	Release Sheet	1 x 10 (3.28 x 32.8)	-	Self-Adhered	35

\* Special order item.  
Note: All values shown are approximate. Product availability may vary. Please contact your local IKO sales representative.

Specify  
*with*  
Confidence.

 **COMMERCIAL<sup>®</sup>**



# IKO Asphalt Type 1, 2 & 3

## IKO Easy-Melt™ Asphalt

### IKO Easy-Melt Low Odour Asphalt

### IKO Modi-Melt SEBS



#### The Proven Roof Bonding Material

Asphalt has been used for centuries as an ideal waterproofing material. IKO processes its own asphalt at its factories across Canada, allowing it to control the quality and consistently meet the various industry grades used in roofing construction.

#### Type 1

No longer packaged in individual kegs, Type 1 is available in hot bulk liquid only. IKO Type 1 asphalt is an oxidized bitumen intended for use with organic felts, insulation and coverboards on roof slopes of 0-3/4:12 (0-6.25%). It conforms to all requirements of CSA A123.4-M Type 1, and UL55A.

#### Type 2

Available in hot bulk liquid, 100 lb kegs or convenient Easy-Melt Type 2 packages, IKO's Type 2 asphalt is an oxidized bitumen intended for use with organic felts, glass felts, modified membranes, insulation and cover boards on roof slopes of 0-1:12 (0-8%). The Easy-Melt 2 packages are easy to handle at 50 lbs package – no more cardboard waste and hassle with conventional asphalt cartons - the Easy-Melt package goes directly into the

kettle. The asphalt conforms to all requirements of CSA A123.4-M Type 2 and UL55A. Also available in a lower odour option (Easy-Melt Type 2 Low Odour) where asphalt odours may pose a job site concern (schools, hospitals, etc.)

#### Type 3

IKO's Type 3 grade of asphalt is available in 100 lb kegs or convenient Easy-Melt Type 3 (50 lbs per package). IKO's Easy-Melt Type 3 combines the top-of-the-line characteristics of standard Type 3 asphalt with greater efficiency and environmental awareness. This oxidized bitumen is formed in a rectangular shape and wrapped in polyethylene. At only 50 lbs each, the Easy-Melt Type 3 package is half the weight of asphalt kegs and therefore easier to store and handle. Easy-Melt Type 3 is designed to go directly into the kettle, package and all, reducing clean-up and waste!

Easy-Melt Type 3 can be used with glass felts, modified membranes, insulation, cover boards and flashing systems with slopes of 0:12 to vertical application [up to 16 in (406 mm) height]. For other applications, please

consult an IKO Commercial technical representative. This proven waterproofing material is also suitable for use in selected damp-proofing applications. Also available in a lower odour option (Easy-Melt Type 3 Low Odour) where asphalt odours may pose a job site concern (schools, hospitals, etc.) A superior grade asphalt, Easy-Melt Type 3 conforms to all Type 3 requirements of CSA A123.4-M and ASTM D312.

#### A flexible asphalt

IKO's Modi-Melt SEBS is a premium Type III modified asphalt intended for use with glass felts, modified membranes, insulation and coverboards with slopes of 0:12 to vertical application [up to 16 in (406 mm) height]. IKO's Modi-Melt is a blend of select asphalt and SEBS rubbers, which conforms to all requirements of ASTM D6152 and UL55A. Modi-Melt is sold in a convenient 50-lb (22.7 kg) keg and has excellent elasticity, flexibility and strength over a large range of temperatures.

PRODUCT NAME	WEIGHT/PACKAGE lbs (kg)	QUANTITY PER PALLET
Easy-Melt Type 2 and Easy-Melt Type 2 Low Odour	50 (22.7)	48
Easy-Melt Type 3 and Easy-Melt Type 3 Low Odour	50 (22.7)	60
Modi-Melt SEBS	50 (22.7)	12

Note: All values shown are approximate.



Asphalt

# IKO Protectoboard™

## Protection and Separation

Protectoboard is a dimensionally stable roofing board that can be mechanically fastened, hot asphalt applied or installed with an acceptable adhesive. It is available in various sizes and thicknesses. Protectoboard is fabricated with a mineral-reinforced asphaltic core sandwiched between two layers of nonwoven glass fiber reinforcement. This composition offers remarkable reliability in the face of environmental conditions, and provides additional fire resistance.

## Uses

Installed over an existing roof, Protectoboard provides a durable substrate that offers excellent resistance to torch flames required to install heat-weldable membranes. It is ideal for covering combustible roof components such as wooden parapet walls.

Protectoboard can also be applied as a protective layer over the waterproofing material in construction, such as: bridge and podium decks, vertical walls and parking garages.



## Features and Benefits

- Asphalt and fiberglass construction resists moisture absorption.
- Compatible with all asphalt roofing membranes, such as built-up roofing and modified bitumen rolls.
- Nonwoven fiberglass facers.
- Provides a rigid, dimensionally stable roofing component.
- Accepted by national and provincial associations in Canada for roofing applications and forms part of FM and UL/ULC IKO assemblies.
- Installed over insulation, Protectoboard becomes a moisture-resistant coverboard.
- A more economical solution than tearing off and disposing of the existing roof, it provides a uniform surface to install retrofit roofing systems.
- Can be mopped into hot asphalt or cold adhesive, offering an alternative to mechanical attachment, eliminating the need to penetrate metal decks.

## Ease of Use

Protectoboard can be cut with a simple straight blade. Thicker boards can simply be scored with a blade and snapped similar to gypsum.

## Board Sizes and Thicknesses

Protectoboard is available in board sizes of 1.2 m x 1.2 m (4 ft x 4 ft), 1.2 m x 1.5 m (4 ft x 5 ft) or 1.2 m x 2.4 m (4 ft x 8 ft). Nominal product thicknesses are 1/8 in (3.0 mm), 3/16 in (4.8 mm), 1/4 in (6.0 mm) or 1/2 in (12.7 mm). Note: All sizes and thicknesses may not be available in all regions.

SIZE cm x cm (ft x ft)	THICKNESS in (mm)	QUANTITY PER PALLET
122 x 122 4 x 4	1/8 (3.0)	220
122 x 152 4 x 5	1/8 (3.0)	175
122 x 244 4 x 8	1/8 (3.0)	125
122 x 152 4 x 5	3/16 (4.8)	120
122 x 122 4 x 4	1/4 (6.0)	110
122 x 152 4 x 5	1/4 (6.0)	85
122 x 244 4 x 8	1/4 (6.0)	60
122 x 152 4 x 5	1/2 (12.7)	60
122 x 244 4 x 8	1/2 (12.7)	30

Note: All values shown are approximate.



# IKO Protectobase™ 180

## Reinforced for Extra Durability

Protectobase 180 is a composite of IKO Protectoboard™, a mineral-fortified asphalt core board, and a factory laminated SBS modified bitumen base sheet. This product can be used as a cover board for new or existing roof construction. The base sheet component is constructed with a tough, nonwoven, reinforced polyester mat strengthened with select glass fiber strands. Protectobase 180 is available laminated to a nominal 3/16-inch (4.5-mm) thick Protectoboard panel.

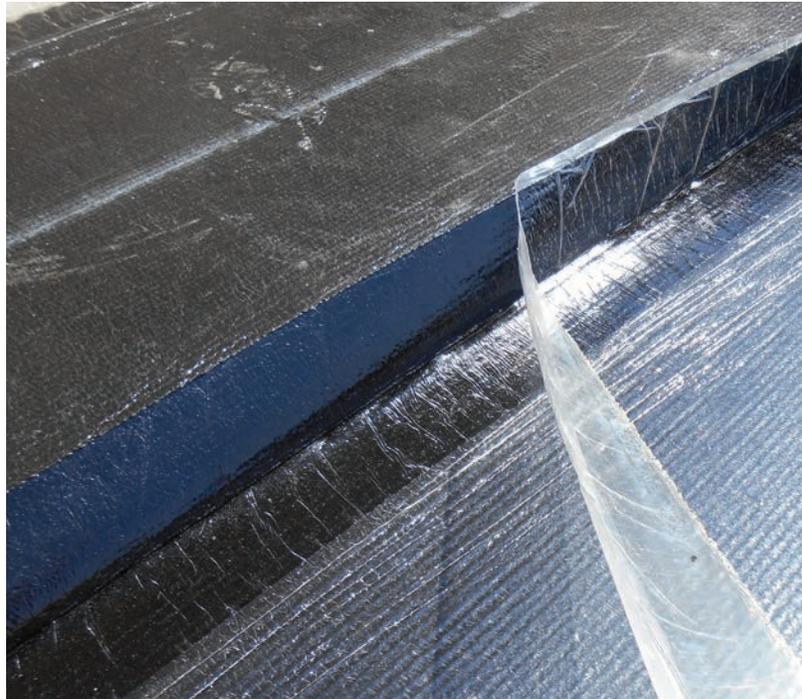
## Composite Layered

The bottom surface of the product is our standard Protectoboard, and the base sheet's top surface has a light microperforated film, which permits heat fusing of an IKO SBS modified bitumen cap sheet.

## Dual Selvage, Easy Installation

The base sheet of Protectobase includes a dual selvage self-adhering SBS sidelap that is staggered from the products' (25 mm (1 in) end lap and 90 mm (3.5 in) side lap) to allow easy joining of the base to adjacent Protectobase boards.

This allows for a quick application



of a roofing system's base layer and coverboard all in one. All Protectobase panels are available in the standard size of 915 mm x 2.4 m (36 in x 8 ft), yielding an area of 2.23 m<sup>2</sup> (24 ft<sup>2</sup>).

## Superior Strength

The high-compressive strength of the Protectoboard component, along with the factory application of the base sheet, ensures a fast and reliable method of installing the overlay board and the waterproofing base layer in one step.

PRODUCT NAME	TOTAL THICKNESS (mm)	SIZE m x mm (ft x in)	QUANTITY PER PALLET
Protectobase 180 (3/16-inch Protectoboard + base sheet)	7.0	2.4 x 915 (8 x 36)	65

Note: All values shown are approximate.



Specialty Cover Board

# IKOTerm CoverShield™

## IKOTerm CoverShield

is a rigid foamed plastic polyisocyanurate roof board that comprises inorganic coated glass fiber facers with a closed-cell, high-compressive strength foam core. This product can be used as a coverboard for new or existing roof construction. IKOTerm CoverShield is available in standard board sizes of:

- 12.7 mm x 1,200 mm x 2,400 mm (1/2 in x 4 ft x 8 ft) or
- 12.7 mm x 1,200 mm x 1,200 mm (1/2 in x 4 ft x 4 ft).

### Features and Benefits

- "Neutral" coated glass fiber facer is moisture and mold resistant and is compatible with many roofing materials.
- Closed cell, highly compressive resistant foam core (nominal 90 psi) insulates and saves on energy.
- Can be easily cut to roof shapes without the use of special tools.
- Lightweight - it cuts down on the "dead load" of a roof assembly.
- Manufactured in multiple North American plants - supply is readily available nationwide.



### Application

- As a cover board in both new and reroofing applications.
- The unique nature of IKOTerm CoverShield makes it compatible with most common roofing materials.
- May be mechanically attached with approved screws and plates, or cold-adhered using IKO Millennium or IKO Cold Gold adhesive.
- Also suitable for hot asphalt attachment.

PRODUCT NAME	SIZE cm x cm (ft x ft)	THICKNESS mm (in)	QUANTITY PER PALLET
IKO CoverShield	244 x 122 (8 x 4)	12.7 (0.5)	36
IKO CoverShield	122 x 122 (4 x 4)	12.7 (0.5)	72

Note: All values shown are approximate.



# IKO Shieldbase™ 180

## Reinforced for Extra Durability

IKO ShieldBase 180 laminated cover board is a composite of an IKOTherm CoverShield polyiso insulation panel that is factory laminated to a nominal 180 g/m<sup>2</sup> weight polyester reinforced SBS modified bitumen base sheet. The product is available in either a film top (ShieldBase 180) or sand top surface (ShieldBase 180 Sanded) to suit a variety of cap sheet installation techniques. This product can be used as a coverboard for new or existing roof construction.

## Dual Selvage, Easy to Install

The 90-mm (3.5-inch) dual selvage self-adhering edges of the membrane portion allow easy joining of the base to the adjacent ShieldBase boards. This allows for a quick application of the roofing system's base layer. Each board is 0.914 m x 2.4 m (3 ft x 8 ft) for a total area of 2.23 m<sup>2</sup> (24 ft<sup>2</sup>).

## Excellent for Re-Cover

ShieldBase 180 is an excellent choice for re-cover applications, reducing the dead weight load of the roofing system. The CoverShield layer of the product is a lightweight



and rigid foam insulation with high thermal properties, exceptional compressive resistance (nominal 90 psi), offering outstanding insulation protection and a nominal R-Value of 2.5.

## Versatile Application Methods

ShieldBase 180 may be applied as a mechanically fastened system, or it may be adhered with IKO Millennium™ Adhesive or fully adhered with hot asphalt.

SIZE m x m (ft x ft)	BOARD THICKNESS mm (in)	MEMBRANE THICKNESS mm (mils)	QUANTITY PER PALLET
2.44 x 0.914 (8 x 3)	14.7 (0.58)	2.2 (87)	65

Note: All values shown are approximate.



Specialty Cover Board

# IKOTerm™ & IKOTerm Tapered

## ROOF INSULATIONS

IKO manufactures a comprehensive line of polyisocyanurate roof insulations to suit almost every roof specification. Polysio offers the highest insulating "R-Value" per thickness of material relative to all commercially available roof insulation options. Available in popular facer options, standard industry board sizes and a range of thicknesses, put an IKOTerm roof insulation to work on your next commercial project.

### Durable, but Lightweight

Lightweight and easy-to-handle, IKOTerm polyisocyanurate foam roof insulations are designed to be part of modified bitumen, built-up or single-ply roof systems. As a rigid, foam insulation with high thermal resistance properties, the products provide outstanding insulation protection and can help to reduce the building's heating and cooling costs.

### The Original – IKOTerm

Standard IKOTerm is faced on the top and bottom surfaces with select kraft paper, reinforced with glass fiber strands for high strength and excellent absorption for both hot



mopping and adhesive attachment methods. The product also performs well with mechanical fasteners.

### IKOTerm 25 PSI

Where a higher degree of insulation compressive resistance is specified or required, IKOTerm 25 PSI grade is available. Ideally suited for use beneath single-ply roof systems, it can also be used in conventional BUR or modified bitumen roof assemblies.

### IKOTerm Tapered

Some roof designs rely on the roof insulation layer to introduce slope into the roof system. In these situations, IKOTerm Tapered commercial roof insulation is the material to use. IKOTerm Tapered insulation can provide positive drainage and sloping to both existing and new roof structures. A wide range of the most common sloped pieces are available to facilitate almost all roof geometries and drainage needs.



IKOTerm Tapered



# IKOTerm™ III & IKOTerm III Tapered

ROOF INSULATIONS

IKOTerm III is made with the same insulating polyisocyanurate foam core; however, it is faced top and bottom with specialty inorganic glass fiber facers. With this facer option, IKOTerm III may be preferred for certain roof designs or alternate membrane application methods.

## IKOTerm III Tapered

Some roof designs rely on the roof insulation layer to introduce slope into the roof system. In these situations, IKOTerm III Tapered commercial roof insulation is the material to use. IKOTerm III Tapered insulation can provide positive drainage and sloping to both existing and new roof structures. A wide range of the most common sloped pieces are available to facilitate almost all roof geometries and drainage needs. It comes in 25 psi compressive strength as standard.



IKOTerm III Tapered

Roof Insulation

# IKO Cold Gold™

FIELD ADHESIVE  
FLASHING ADHESIVE



## IKO's Cold-Applied Roofing Solution - Cold Gold

Do you have a roof specification that prohibits both heat-welded and hot asphalt application methods? IKO has the solution – a robust cold-applied adhesive system we call "Cold Gold." It's so simple – a field adhesive for base and cap sheet installation combined with a higher viscosity flashing adhesive for flashings at roof perimeters, upstands and any vertical roof penetration areas.

### IKO Cold Gold Field Adhesive

IKO Cold Gold Field Adhesive is a solvent-free, single-component, cold-process roofing adhesive suitable for adhering vapour retarders, IKOTherm insulations, coverboards and Modiflex Base/Cap sheets. It can be easily applied with a suitable notched trowel or squeegee.

### Features and Benefits

- Solvent-free: no pungent odours and no fire hazard.
- Low VOC content.
- Nonhazardous: unrestricted transport in North America.



- Moisture cured: no solvents to "flash off."
- Wide range of application temperatures.
- Good initial bond for minimal displacement of roof components prior to full cure.
- Easy-to-apply (notched squeegee) and easy to clean up (mineral spirits).
- Should be stored at room temperature prior to use.
- Can be used as a flood coat, a cold alternative to hot asphalt.

### IKO Cold Gold Flashing Adhesive

The IKO Cold Gold Field Adhesive works well in the field of the roof system and is suitable for slopes up to 1:12. But what about steeper sloped roof areas and vertical flashings, parapets, etc.? For those applications, IKO has designed Cold Gold Flashing Adhesive. This single-component compound is an asphalt-modified urethane adhesive that has low VOC content, is solvent-free and does not require mixing. IKO Cold Gold Flashing Adhesive should be applied using a notched trowel/squeegee.

### Perfect With Modiflex Base and Cap

To complement your roof system using Cold Gold adhesives, apply one of IKO's flexible SBS modified bitumen polyester-reinforced sand-surfaced base sheets. The unique properties imparted to the base sheets by our manufacturing process yield superior performance and physical properties to your cold-applied roof system. Our special polyester reinforcement ensures both high strength and elongation along with very good "lay flat" qualities. Finish off your cold-applied roof system with any IKO Modiflex cap sheet.

PRODUCT NAME	Size L (U.S. gal)	QUANTITY PER PALLET
Cold Gold Field Adhesive	18.9 (5)	36
Cold Gold Flashing Adhesive	18.9 (5)	36

Note: All values shown are approximate.



# IKO Millennium™

## ROOFING ADHESIVE



### Basic Use

IKO Millennium Adhesive is designed for use as an adhesive for bonding roof insulation/cover board panels to approved substrates such as other insulation boards and smooth or properly prepared built-up roof surfaces. IKO Millennium Adhesive eliminates the need for mechanical fasteners that can often cause damage to the roof deck, resulting in potential reduced service life.

For a complete list of approved substrates and insulation/cover board types, or for additional information, consult the current IKO Technical Specification Manual.



### Features and Benefits

- Colour – Off-white, light-amber.
- IKO Millennium Adhesive is available in convenient 1.5-liter cartridges (4 per case).
- Easy storage – Should be stored at normal room temperature for a day prior to use.
- Ready to use – Requires no mixing, which reduces labour costs and saves time on the job.
- Rapid cure – Sets in minutes.
- Wide application temperature range – Suitable for all climates.
- One Step™ technology – Easy to apply.
- Solvent-free and low VOC – No odours, nonflammable.
- Remains flexible after application – Absorbs roof stresses.
- Low-rise foam – Accommodates minor surface irregularities.
- Replaces fasteners – Minimizes deck penetrations.

### PG-1 Pump Grade Millennium Adhesive

For larger projects, IKO Millennium PG-1 Pump Grade 2-Part Insulation Adhesive is a two-component, low VOC, all-purpose, low-rise polyurethane foamable adhesive that is economically packaged in bulk for quick and easy application. Use of a low pressure single bead adhesive pump cart equally mixes Part 1 and Part 2 of the adhesive for consistent application each and every time. Available in 5-gallon boxes, 15-gallon drums or 50-gallon drums.

PRODUCT NAME	SIZE L (U.S. gal)	QUANTITY PER CASE/BOX	CASES/BOXES/DRUMS PER PALLET
Millennium Cartridge	1.5 (4)	4 per case	48 cases
Millennium Pump Grade Two-Part	18.9 (5)	1 per box	36 boxes (18 each)
	56.7 (15)	-	8 drums (4 each)
	189 (50)	-	4 drums (2 each)

Note: All values shown are approximate.



Adhesives, Primers and Liquids

## IKO S.A.M.™ Adhesive IKO S.A.M. LVC



### IKO S.A.M. Adhesives – Solvent-Based Surface Preparation in Two Grades

IKO S.A.M. Adhesives are quick-drying, solvent-based surface preparations for use with IKO self-adhering roofing membranes or AquaBarrier™ self-adhering building envelope membranes. Available in either standard IKO S.A.M. or a low VOC IKO S.A.M. LVC option. Both S.A.M. Adhesives dry to a high tack, providing excellent adhesion properties during the membrane application process and are especially effective on vertical surfaces. They are suitable for use on most substrates, including wood, glass mat/gypsum core sheathing, masonry, concrete and metal. IKO S.A.M. Adhesives may be applied by using a roller, brush or spray.

#### Features and Benefits

- Easy application: mix and roll apply.
- Easy cleanup: mineral spirits.
- Can be used with any IKO self-adhering roofing membrane or AquaBarrier™ self-adhering building envelope membrane.
- Compatible with all IKO roofing products.
- IKO S.A.M. Adhesives LVC may be applied with roller, brush or spray.
- Standard IKO S.A.M. Adhesive is gold in colour and available in a 17-liter (4.49-U.S. gallon) pail.
- IKO S.A.M. LVC Adhesive is green in colour and available in 17-liter (4.49-U.S. gallon) pails.
- Both S.A.M. Adhesives are ready for membrane adhesion in 30 min.



PRODUCT NAME	SIZE L (U.S. gal)	QUANTITY PER PALLET
S.A.M. Adhesive	17 (4.49)	36 pails
S.A.M. Adhesive LVC	17 (4.49)	36 pails

Note: All values shown are approximate.

# IKO Asphalt Primers

ROOFING PRIMERS



IKO offers an extensive range of primers to satisfy every surface preparation need. As with most primer products, surfaces to be treated should be free of dust, dirt, oil or other contaminants for best results. All products below are asphalt-based and can therefore be cleaned up easily with mineral spirits. Acceptable surfaces to be treated include wood, gypsum, metal and concrete.

## IKO Mod-Bit Primer

- Solvent-based asphalt primer.
- Quick-drying – dry time approximately 60 minutes.
- Applied with brush, roller or spray.
- Available in 18.93-liter (5 U.S.-gallon) pails.



## IKO Spray Primer

- Solvent-based asphalt spray primer.
- Ideal for small detail areas.
- Available in 482-gram spray aerosol can.
- Fast-drying – 3 minutes to touch and 60 minutes to complete dry.

## IKO Standard Asphalt Primer

- Solvent-based asphalt primer.
- Prepare surfaces prior to application of hot asphalt.
- Applied with roller, brush or spray.
- Application temperature > -12°C.
- Dry time approximately 2-4 hours.
- Available in 18.93-liter (5 U.S.-gallon) pails.

PRODUCT NAME	SIZE	QUANTITY PER PALLET
Mod-Bit Primer	18.93L (5 U.S. gal)	36
Spray Primer	482 g (1 lb)	72 boxes (12 cans each)
Standard Asphalt Primer	18.93 L (5 U.S. gal)	36

Note: All values shown are approximate.



# IKO AquaBarrier™ Mastic

DETAIL MASTIC



## Extra-Strong Roofing Adhesive

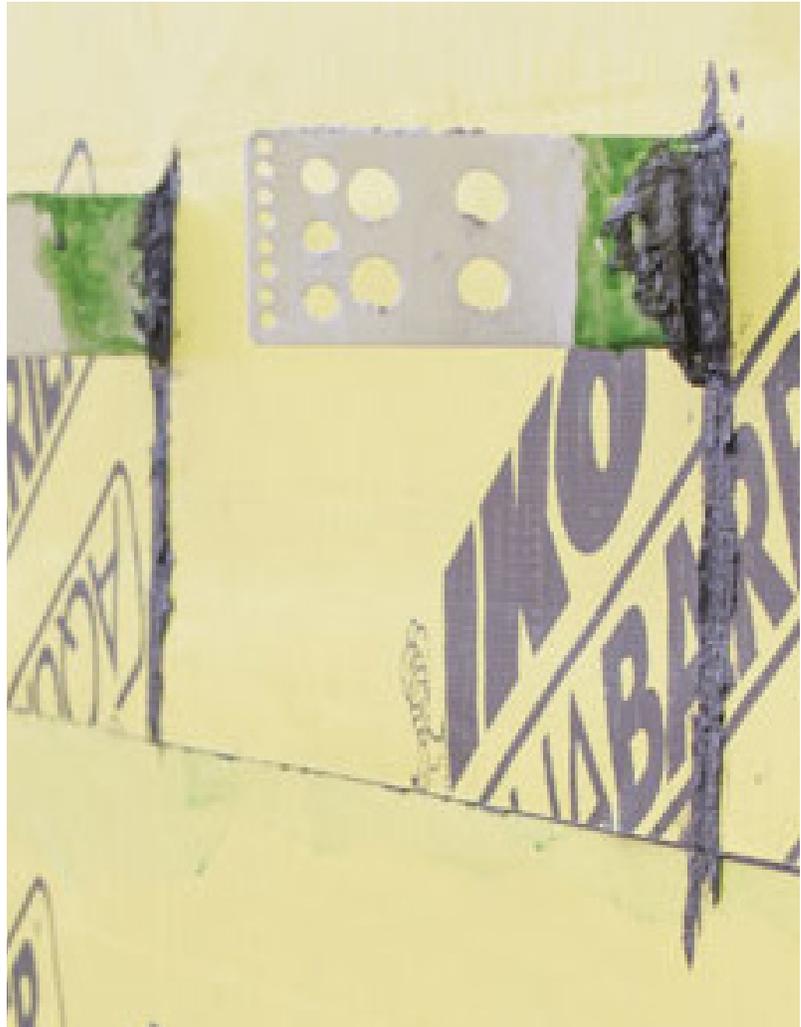
IKO AquaBarrier Mastic is a unique, modified asphalt sealant that is formulated with synthetic rubbers for longevity and glass fibers for extra strength.

## Widely Compatible

IKO AquaBarrier Mastic sealant is fully compatible with IKO waterproofing, air and vapour barrier and roofing system products. It can be applied on damp or dry surfaces and will not slump or pull away from the substrate.

## Multiple Applications

Areas of use include sealing terminations, sealing around penetrations and sealing the membrane's edges. IKO AquaBarrier Mastic sealant also may be used in simple applications to repair loose asphalt shingles and roof flashings around chimneys and vents.



## Sizes and Packaging

IKO AquaBarrier Mastic is available in two professional package options to suit every project need. For larger projects, consider the economical 10-kg pail. Alternately, a caulking tube size is available – the smaller traditional 300-ml tube for smaller projects.

SIZE	QUANTITY PER PALLET
300-ml Tube	48 boxes (24 tubes per box)
10-kg Pail	48 pails

Note: All values shown are approximate.



# IKO MS Detail™

LIQUID MEMBRANE



## IKO MS Detail is ideal

for all those hard-to-flash areas on a roof. It's a fast, convenient, single-component liquid membrane in a can. "MS" (Modified Silane) technology makes all this possible. This liquid-applied grey-coloured membrane requires nothing more than ambient water vapour in the air to cure to a rubber-like consistency.

## Features and Benefits

- Essentially inert with no organic content.
- Can be applied to almost any substrate.
- Suitable for exterior exposure.
- Resistant to UV radiation.
- Will not support organic growth.
- Contains no solvents or VOCs.
- Has a long shelf life due to packaging.
- Allows easy cleanup with mineral spirits (prior to cure).
- Can be handled, stored and shipped safely.
- Offers quick setup with full cure in approximately 24 hours.

IKO MS Detail has excellent thermal stability with high tensile strength and elongation. This makes for a tough weatherproof membrane that can withstand minor movements on exterior roof details. Being a liquid, it is extremely forgiving of complex details, making it ideal for sealing around odd shapes and sizes of fittings.

Easily applied with a trowel, brush or roller, IKO MS Detail typically cures to a thickness of about 60 mils (1.5 mm). A reinforcement of polyester mesh is recommended when spanning gaps greater than one-eighth of an inch or where a more robust membrane is required.

SIZE L	QUANTITY PER PALLET
3.78 (1 U.S. gal) (12 x 315 ml sausage)	75
8 (4 x 2 L pouches)	40

Note: All values shown are approximate.



Adhesives, Primers and Liquids

# IKO TorchTape™ 180-FF Roof Tapes

## IKO Modiflex™ Roof Tapes

### IKO Granules



**Most modified bitumen roofs** have small areas that call for a narrow strip of roof membrane to cover a joint or for additional lap coverage at a flashing. Previously, roofers would have to manually prepare these strips on-site from a larger sheet, resulting in lost time and material waste. IKO innovated two roof tape products, which have proven to be invaluable accessories to professional contractors.

#### **IKO TorchTape 180-FF – Durable - Two Width Options**

IKO TorchTape 180-FF Roofing Tapes are constructed using a tough nonwoven reinforced polyester mat strengthened with select glass fiber strands and select SBS polymers and premium asphalt. This offers superior elasticity, excellent moisture resistance and exceptional cold weather flexibility. TorchTape 180-FF tapes provide superior protection against water leakage and extreme weather conditions, and are available in both 168-mm (6.6-inch) and 335-mm (13.2-inch) widths. Both surfaces of the products are covered with a thin microperforated film.

The top film will melt with the heat-welded cap sheets, while the bottom film dissolves during heat welding to the substrate.

#### **IKO Modiflex Roof Tapes – Strong and Secure - Self-Adhered Backing**

These tapes are strong and secure, with a self-adhered backing. Available in 152-mm (6-inch) and 304-mm (12-inch) widths, Modiflex Roof Tapes are constructed using an inorganic reinforcing mat of high strength nonwoven glass fibers. This product's top surface is sanded, while its self-adhesive backing is covered with a silicone-treated release film for easy removal during application. Used primarily as a barrier tape to prevent the penetration of open flame into open joints, voids, gaps or holes in combustible substrates, Modiflex Roof Tapes are installed prior to the application of heat-welded modified bitumen membranes.

#### **IKO Granules**

For those times when asphalt or bitumen bleed-out (or minor spill areas) needs to be covered by roofing granules, count on IKO to have the granules you need. And since IKO uses its own coloured roofing granules on most of its cap sheet products, you can be sure of excellent colour match. Available in all standard cap sheet colours, granules are packaged in sturdy 2.5-gallon pails.

PRODUCT NAME	SIZE mm (in)	QUANTITY PER PALLET
IKO TorchTape 180-FF Roof Tapes	168 (6.6)	180
IKO TorchTape 180-FF Roof Tapes	335 (13.2)	90
IKO Modiflex Roof Tapes	152 (6)	120
IKO Modiflex Roof Tapes	304 (12)	60

Note: All values shown are approximate.





**COMMERCIAL<sup>®</sup>**

Specify *with Confidence.*



# IKO AquaBarrier™

PERMEABLE AND NON-PERMEABLE BUILDING ENVELOPE SOLUTIONS



## Rely on IKO for Superior Building Envelope Integrity

Above grade or below grade, breathable or non-breathable, IKO has the right membrane to handle your building envelope challenges. AquaBarrier membranes are key components in air/vapour barrier and waterproofing systems. They are engineered to meet, or exceed, industry standards for high-performance construction membranes.



## IKO AquaBarrier AVB – Commercial Air and Vapour Barrier Wall Membrane

IKO AquaBarrier AVB is a self-adhesive, cold-applied, SBS modified composite sheet membrane designed to act as an air and vapour barrier in a variety of wall systems.

### Uses

- Masonry cavity walls with block backup.
- Shear poured concrete walls.
- Metal cladding systems.
- Rain screen walls.
- EIFS systems.
- Available in AVB Low Temp for cold weather installations.
- Can be left exposed to UV for up to 180 days.

## IKO AcrylicStick SA™ Self-Adhering Primerless Nonpermeable Air and Vapour Barrier Membrane

IKO AcrylicStick SA is a primerless, self-adhering, nonpermeable membrane, providing superior performance in wall assemblies where an air and vapour barrier is required. IKO AcrylicStick SA is HDPE material manufactured with an acrylic coating functioning as the bonding agent. The acrylic adhesive is pressure-sensitive, which provides high-quality adhesion to substrate(s) and eliminates the use of primers for cost and labour savings. An additional benefit is that the acrylic formulation meets low VOC standards and can be used effectively in cold weather temperature applications.

### Uses

- Masonry cavity walls with block backup.
- Shear poured concrete walls.
- Metal cladding systems.
- EIFS Systems.
- Can be left exposed to UV for up to 180 days.

## IKO AquaBarrier VP – Strong and Secure - Self-Adhered Backing

IKO AquaBarrier VP is a self-adhering, primerless vapour permeable membrane, providing superior performance in wall assemblies where a vapour-permeable, weather-resistive air barrier is required.

### Uses

- Masonry cavity walls.
- Metal cladding systems.
- Siding applications.
- Renovations and retrofits
- Parapets.

## IKO AquaBarrier Tapes – Self-Adhering Wall Flashing Tapes

IKO AquaBarrier Tapes are self-adhering, composite sheet membranes that provide protection for wall insulation joints and wall transition areas in a variety of flashing details in all climates. They are easy to apply and provide the assurance of factory-controlled thickness in convenient pre-cut widths. IKO's standard AquaBarrier Tapes are best suited for residential construction use, with a nominal thickness of 25 mils. IKO AcrylicStick SA Tapes are also available.



# IKO AquaBarrier™

PERMEABLE AND NON-PERMEABLE  
BUILDING ENVELOPE SOLUTIONS



## IKO AquaBarrier AVB Tapes

are manufactured to a more robust nominal 40-mil thickness and are typically specified for use in commercial/industrial building construction. Either tape can be used for numerous building envelope applications, such as around windows, doors, skylights, metal cladding systems and under siding at inside and outside corners.

IKO AquaBarrier VP Tapes works in conjunction with AquaBarrier VP Vapour-Permeable rolls and IKO's Ener-Air insulation to maintain continuity for vapour permeability and mould resistance within the wall system.

### Uses

- Window and door openings.
- Wall-to-wall tie-Ins.
- Sheathing/sill "splashback" area.
- Corner boards.
- Deck-to-wall intersections.
- Insulation and sheathing panel seams.
- Foundation/sill capillary break.

## IKO AquaBarrier FP - Foundation Protection Waterproofing Membrane

IKO AquaBarrier FP is a self-adhesive, cold-applied, SBS modified composite sheet membrane designed to provide long-lasting and dependable primary waterproofing and foundation protection from the damaging effects of water.



### Uses

- ICF systems.
- Balconies.
- Plaza and parking decks.
- Tunnels and bridge decks.
- Planters.
- Foundation Walls.

## IKO AquaBarrier TWF – Through-Wall Flashing Membrane

IKO AquaBarrier TWF is a self-adhering, cold-applied, SBS modified composite air/vapour membrane for use in wall flashing systems. IKO AquaBarrier TWF is used in adhered transition-flashing applications (floor-to-wall and foundation-to-wall transitions, balcony shelf, etc.) directly over masonry, concrete, gypsum, wood or metal substrates, which have been properly primed.

### Uses

- Stone and precast lintels.
- Shelf angles used to support decorative accents.
- Separation layers between materials.

## IKO AquaBarrier TG – Torch Grade Waterproofing and Air/Vapour Barrier Membrane

IKO AquaBarrier TG is a heat-welded SBS membrane designed for use as either the air/vapour barrier or waterproofing in building systems.

### Uses

- Planters.
- Plaza and parking decks.
- Tunnels and bridge decks.
- Balconies.
- Foundation walls.
- Residential basement wall waterproofing.



# IKO Ener-Air®

## VAPOUR-PERMEABLE WALL INSULATION

### IKO Building Envelope Wall Insulations

IKO manufactures polyisocyanurate wall insulation in two varieties: "breathable" (Ener-Air) and "non-breathable" (Enerfoil). Polyisocyanurate outperforms any plastic, rock wool or glass fiber wall insulation in the market. IKO's innovative building systems are at the forefront of wall design, science and technology.

#### Features and Benefits

- This insulation may help decrease the cost of construction. Designers may be able to reduce the overall footprint of their buildings, as a smaller thickness of the polyisocyanurate insulation achieves the same R-Value (RSI) as thicker amounts of other types of insulation.
- Stud indicators improve accuracy of installation, potentially saving on wasted fastener costs.
- Both are lightweight and easy to cut, thus reducing labour costs on-site. Select nonstandard board sizes are available via IKO's AccuCut service.



### Ener-Air Polyisocyanurate Insulation Sheathing

Ener-Air by IKO is a breathable rigid polyisocyanurate insulation sheathing with a coated glass fiber facer laminated on the top and bottom sides.

#### Features and Benefits

- Provides high thermal resistance of R6 per inch (RSI 1.05 per 25 mm) for improved energy-efficient performance of walls.
- Can contribute to points for LEED®, EnerGuide and other energy efficiency rating programs.
- User-friendly. Coated glass facers on both sides of the sheathing provide moderate abuse-resistance on the jobsite.
- Ener-Air reduces noise, adding quiet comfort to the building enclosure.
- Ener-Air has passed testing for odour, assuring building occupants that industry standards are met.

- Provides versatility. Coated glass fiber facings provide the long-term moisture resistance necessary for cavity wall applications.

- Ener-Air's facings are typically compatible with solvent-based adhesive materials, which can attack and compromise the performance of other types of foamed plastic insulation.

- Has a uniform thickness for consistently maintaining air space requirements in cavity wall applications.

- Available in standard, convenient 4-foot x 8-foot board size and a variety of thicknesses.

- Not only is Ener-Air a superior insulating product, but it doubles as an air barrier as well. When suitably detailed, the Ener-Air system can be a code-compliant air barrier assembly, fulfilling two jobs at once.



# IKO Enerfoil®

## NONPERMEABLE WALL INSULATION

### EnerFoil Polyisocyanurate Insulation Sheathing

Enerfoil by IKO is a nonstructural rigid polyisocyanurate insulation sheathing with a laminated foil facer on the top and bottom sides.

#### Features and Benefits

- Provides high thermal resistance for improved energy-efficient performance of walls.
- User-friendly. Laminated facers on both sides of the sheathing provide moderate abuse resistance on the job site.
- Enerfoil reduces noise, adding quiet comfort to the building enclosure.
- Enerfoil has passed testing for odour, assuring building occupants that industry standards are met.
- Provides versatility. Foil facings provide the long-term moisture resistance necessary for cavity wall applications.
- Enerfoil's facings are also compatible with solvent-based materials, which can attack and compromise the performance of other thermoplastic insulations.
- Has a uniform thickness for consistently maintaining air space requirements in cavity wall applications.

Design LTR R-Value Chart for Enerfoil Rigid Foam-Faced Insulation  
Conditioned per ATSM C1289, test method ASTM C518<sup>1,2</sup>

THICKNESS in (mm)	R-VALUE (in I-P/Imperial)	RSI (R-Value in Metric)
0.5 (12)	3	0.53
0.75 (18)	4.4	0.77
1.0 (25)	5.9	1.04
1.5 (38)	8.9	1.57
2.0 (50)	11.8	2.08
2.5 (64)	14.8	2.61
3.0 (75)	18	3.17
3.5 (89)	21	3.7
4.0 (100)	24	4.23

<sup>1</sup>When joints & penetrations detailed appropriately. <sup>2</sup>Stated thermal resistance values are based upon conditioning requirements and test methodology found in ASTM C1289 and ASTM C518 for foil-faced polyisocyanurate insulation. See also Material Data Sheet – MSDS #1511 or MSDS #1911.

Note: All values shown are approximate.

- Available in 4-foot x 8-foot or 4-foot x 9-foot board sizes in a range of thicknesses.
- When joined together on a building's exterior using IKO's recommended taping method, the exterior becomes an air barrier, a vapour barrier and an insulation – all in one product.

*Note: Enerfoil and Ener-Air should not be used where they will be subject to water infiltration.*



Wall Insulations

# IKO AquaBarrier™ Membranes

## BUILDING ENVELOPE SOLUTIONS

PRODUCT NAME	WIDTH mm (in)	LENGTH m (ft)	THICKNESS mm (mils)	TOP SURFACE	BOTTOM SURFACE	SURFACE PREPARATION	QUANTITY PER PALLET
AquaBarrier AVB and AVB Low Temp	457 (18) 610 (24) 914 (36)	22.86 (75)	1.0 (40)	High-density cross-laminated polyethylene	Self-adhesive modified bitumen	IKO S.A.M. or S.A.M. LVC Adhesive	50 rolls 50 rolls 30 rolls
AquaBarrier AVB Tapes - 40	75 (3) 100 (4) 150 (6) 225 (9) 300 (12)	22.86 (75)	1.0 (40)	High-density cross-laminated polyethylene	Self-adhesive modified bitumen	IKO S.A.M. or S.A.M. LVC Adhesive	25 boxes (12/box) 25 boxes (9/box) 25 boxes (6/box) 25 boxes (4/box) 25 boxes (3/box)
AquaBarrier Tapes - 25	75 (3) 100 (4) 150 (6) 225 (9) 300 (12)	22.86 (75)	0.625 (25)	High-density cross-laminated polyethylene	Self-adhesive modified bitumen	IKO S.A.M. or S.A.M. LVC Adhesive	30 boxes (2/box) 30 boxes (2/box) 30 boxes (2/box) 30 boxes (1/box) 30 boxes (1/box)
IKO AcrylicStick SA	914 (36)	22.86 (75)	0.25 (10)	High-density cross-laminated polyethylene	Acrylic adhesive	Not Required	80 rolls
IKO AcrylicStick SA Tapes	102 (4) 152 (6) 229 (9) 305 (12) 457 (18)	22.86 (75)	0.25 (10)	High-density cross-laminated polyethylene	Acrylic adhesive	Not Required	60 boxes (1 roll/box)
AquaBarrier TG	500 (19.7) 1,000 (39.4)	10 (32.8)	2.5 (100)	High-strength glass-reinforced mat	Micro perf polyfilm	IKO Spray or Mod Bit Primer	80 rolls 40 rolls
AquaBarrier VP	457 (18) 950 (37.5)	30.5 (100)	0.4 (16)	Polypropylene polymer fiber	Acrylic adhesive	Not required	56 rolls
AquaBarrier VP Tapes	102 (4) 152 (6) 229 (9) 305 (12) 457 (18)	30.5 (100)	0.4 (16)	Polypropylene polymer fiber	Acrylic adhesive	Not required	60 boxes (1 roll/box)
AquaBarrier FP	914 (36)	20.3 (66.7)	1.5 (60)	High-density cross-laminated polyethylene	Self-adhesive modified bitumen	IKO S.A.M. or S.A.M. LVC Adhesive	30 rolls
AquaBarrier TWF	305 (12) 455 (18) 610 (24) 914 (36)	22.86 (75)	1.2 (46)	High-density cross-laminated polyethylene	Self-adhesive modified bitumen	IKO S.A.M. or S.A.M. LVC Adhesive	75 rolls 50 rolls 25 rolls 25 rolls

Note: All values shown are approximate.

# IKO ArmourBridge™ 45

BRIDGE DECK WATERPROOFING



## Granule-Coated Surface

Ceramic-coated mineral granules are embedded in the surface of the product to provide protection against abrasion and work traffic. A light microperforated film, bonded to the underside of the product, disappears after heat welding.

## Reinforced for Extra Durability

The IKO ArmourBridge bridge deck and waterproofing membrane is made with a tough nonwoven reinforced polyester mat strengthened with select glass fiber strands. It is then coated with select SBS polymers and premium asphalt to a superior thickness of approximately 4.5 mm (177 mils).

## Provides Extra Protection

ArmourBridge membrane is specifically designed for bridge deck waterproofing, but can also be used in any heat-welded waterproofing membrane application where a rugged, premium membrane is required.



Bridge Deck Waterproofing

REINFORCEMENT	TOP SURFACE	BOTTOM SURFACE	SIZE m (ft)	HEAT-WELDED	QUANTITY PER PALLET
Polyester	Granules	Film	1 x 8 (3.28 x 26.2)	X	32

Note: All values shown are approximate.



Thank you for considering IKO Commercial and Industrial Products.

For additional information on IKO's full line of superior Commercial/Industrial Roofing and Waterproofing products, please call: **1-855-IKO-ROOF (1-855-456-7663)**, or visit our website at: **WWW.IKO.COM/COMM**.

Note: The physical properties of the products described in this catalogue represent average typical results obtained by testing our products according to accepted industry test methods. These values are subject to normal manufacturing variations and are supplied as a technical guideline only; they may be subject to change without notice. Current product specifications can be confirmed by contacting your local IKO technical representative.

Also, any guide specifications or product installation information contained herein are offered as general information for the design and installation of IKO roof and building envelope assemblies. IKO Industries Limited is a supplier of materials, and we cannot assume liability for errors in roof/wall design, engineering or application. The architect, contractor and/or building owner's representative must verify all dimensions, details and suitability of building design and intended use.

Note: All values shown are approximate. Product and colour availability are subject to shipping area. The information in this document is subject to change without notice. IKO assumes no responsibility for errors that may appear in this document.



Specify *with Confidence.*